

INTERNATIONAL SEARCH REPORT

IB2004/052026

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03M1/06 H04B1/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03M H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 156 589 A1 (SONY INTERNATIONAL GMBH) 21 November 2001 (2001-11-21) figures 1-3 column 1, paragraph 3 column 2, paragraph 11 - paragraph 13 column 3, line 19 - line 24 column 3, line 40 - line 42	1-12
A	US 5 307 515 A (KUO ET AL) 26 April 1994 (1994-04-26) figures 2-4 column 1, line 15 - line 20 column 1, line 37 - line 41 column 1, line 46 - line 68 column 2, line 3 - line 9 column 2, line 28 - line 36 column 3, line 35 - line 62	1-12

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the international search

25 January 2005

Date of mailing of the international search report

03/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 178 314 B1 (WHIKEHART J. WILLIAM ET AL) 23 January 2001 (2001-01-23) figures 1-3 column 1, line 7 - line 13 column 2, line 7 - line 10 column 2, line 19 - line 25 column 2, line 63 - column 3, line 36 -----	1-12

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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			US	2001044288 A1	22-11-2001
US 5307515	A	26-04-1994	DE	69206826 D1	25-01-1996
			DE	69206826 T2	23-05-1996
			WO	9303552 A1	18-02-1993
			EP	0629322 A1	21-12-1994
			JP	6509691 T	27-10-1994
US 6178314	B1	23-01-2001	NONE		